

21. **Allowable Emissions:**

The Permittee shall not allow emissions into the atmosphere in excess of any of the following:

	Daily Emission Limits	Twelve Month Rolling Average Emission Limits
Volatile Organic Compounds (VOCs)		
Total Suspended Particulates (TSP)		
PM10 Particulates		

The twelve month rolling average shall be calculated at the end of each calendar month by summing the emissions over the most recent twelve calendar months.

22. **Definitions:**

- a. Acceptable Level Of Volatile Organic Compounds (VOCs) and Nonprecursor Organic Compounds: For the purpose of these Permit Conditions, the acceptable level of VOCs and nonprecursor organic compounds above contaminated soil shall be defined as no more than 70 parts per million by volume (ppmv) when measured anywhere up to 3 inches from the soil pile. The measurement shall be taken with a flame ionization detector calibrated to methane with the calibration gas being certified by the supplier to be within 2 % of its stated value. A different type of instrument may be used if approved by the Control Officer.
- b. Contaminated Soil: Soil which meets both of the following:
 1. Contains VOCs or nonprecursor organic compounds with a vapor pressure greater than 1.5 pounds per square inch absolute (psia) at ambient temperature, and
 2. These contaminants are present in concentrations greater than 100 parts per million by weight in any section of the soil before it is excavated.

23. **Notification:**

- a. The Permittee shall notify the Department, Attn.: Compliance Supervisor, in writing at least 24 hours in advance before the Permittee or anyone under contract to the Permittee begins excavating contaminated soil. The notification shall include the number of this Permit, the name of the excavation company, address of the excavation, expected start date, quantity of soil to be excavated, the type and level of soil contamination, and the address where the contaminated soil will be stockpiled. This notification requirement may be waived if both of the following conditions are met:

1. The Permittee can demonstrate to the satisfaction of the Control Officer that the excavation was performed on an emergency basis, and
 2. The Permittee notifies the Department of the required information by telephone as soon as is practical after the emergency excavation request is received.
- b. The Permittee shall notify the Department in writing of the termination of contaminated soil stockpiling activities at any site within seven days of termination. The notice shall include the number of this Permit, the address where the contaminated soil was stockpiled and the date that activity terminated.

24. Record Keeping:

- a. The Permittee shall keep accurate daily records of all VOC and nonprecursor organic compound emissions. If the soil contaminants have a vapor pressure greater than 1.5 psia, these fugitive emissions shall be calculated as 0.25 pounds for each ton of soil placed onto a stockpile and 0.25 pounds for each ton removed from a stockpile.
- b. The Permittee shall keep accurate records of the following for any load of contaminated soil transported to the site:
 1. Legal address of the site from which the soil was excavated.
 2. Excavation date if the soil was excavated either by the Permittee or by another party under contract to the Permittee.
 3. Date the soil was delivered to the site.
 4. Name and address of the trucker.
 5. Quantity of soil.
 6. Estimated concentration of soil contamination.
 7. Whether the vapor pressure of the contaminants are over or under 1.5 psia at ambient temperature.
 8. Storage location of the soil in a format that allows the activities associated with each storage pile to be easily identified and monitored.
- c. The Permittee shall keep daily records of the estimated amount of soil vapor suppressant used, broken down by site if more than one site is involved.

25. Sampling:

- a. No contaminated soil shall be brought to the site unless it has been analyzed for contaminant content. A representative sample shall be analyzed for each 500 cubic yards of soil.
- b. No soil containing RCRA hazardous waste shall be brought to the site or processed in the equipment. The soil shall be analyzed for any RCRA hazardous wastes as defined in 40 CFR Part 261 if there is reason to believe that any such compound may be in the soil. Sampling for these compounds shall be at the rate of one representative composite sample per 200 cubic

yards where the composite sample is made up of three independent samples.

26. **Stockpiles:**

- a. Any contaminated soil delivered to the site and contaminated with VOCs having a vapor pressure of 1.5 psia or greater shall be placed in its permanent storage pile within 15 minutes of receipt. After being placed on the pile, the soil shall immediately be treated with a soil vapor suppressant in sufficient quantity to reduce the concentration of VOCs to the acceptable level.
- b. Contaminated soil storage piles shall not be disturbed except for adding additional soil or for removing the soil for immediate treatment or removal from the site. When a pile of soil treated with a vapor suppressant is disturbed, the pile shall be retreated to reduce the concentration of contaminants above the pile to the acceptable level if additional soil will not be removed from the pile for a period of over 15 minutes.
- c. No contaminated soil shall be stored for a total period greater than 90 days unless the Permittee can demonstrate to the satisfaction of the Control Officer that exceeding the 90 day limit was beyond the control of the Permittee. This includes the combined storage time at all sites within Maricopa County.

27. **Other:**

- a. Before transporting contaminated soil off of any site, the Permittee shall treat the soil with a vapor suppressant in a manner which reduces emissions of VOCs to the acceptable level.
- b. The Permittee shall not allow particulate emissions in excess of 20 % opacity from any point.